

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 10/047,455		ATTY. DOCKET NO.: N00400/70013		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				FILING DATE: January 15, 2002				
				APPLICANT: Piner et al.				
				GROUP ART UNIT: 2811		EXAMINER: Unknown		
Sheet	1	of	2					

#### U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
SPC		5,068,695	B1	Mooney et al.	11/26/91
		5,192,987	B1	Khan et al.	03/09/93
		5,296,395	B1	Khan et al.	03/22/94
		5,389,571	B1	Takeuchi et al.	02/14/95
		5,393,993	B1	Edmond et al.	02/28/95
		5,442,205	B1	Brasen et al.	08/15/95
		5,523,589	B1	Edmond et al.	06/04/96
		5,739,554	B1	Edmond et al.	04/14/98
		5,760,426	B1	Marx et al.	06/02/98
		5,838,706	B1	Edmond et al.	11/17/98
		5,874,747	B1	Redwing et al.	02/23/99
		5,891,769	B1	Liaw et al.	04/06/99
		6,005,263	B1	Saito et al.	12/21/99
		6,039,803	B1	Fitzgerald et al.	03/21/00
		6,051,849	B1	Davis et al.	04/18/00
		6,121,121	B1	Koide	09/19/00
		6,153,010	B1	Kiyoku et al.	11/28/00
		6,177,688	B1	Linthicum et al.	01/23/01
		6,201,262	B1	Edmond et al.	03/13/01
		6,255,198	B1	Linthicum et al.	07/03/01
		6,261,929	B1	Gehrke et al.	07/17/01
		6,265,289	B1	Zheleva et al.	07/24/01

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
SPC		EP	0 852 416	A1	Hitachi, Ltd.	23.03.97	
		EP	0 951 055	A2	Hewlett-Packard Company	20.10.99	
		WO	00/33365	A1	North Carolina State University	08.06.00	
		WO	01/37327	A1	North Carolina State University	25.05.01	
		WO	01/43174	A2	North Carolina State University	14.06.01	
		WO	01/47002	A2	North Carolina State University	28.06.01	
		WO	01/59819	A1	North Carolina State University	16.08.01	



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Sheet	2	of	2						

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	

EXAMINER <i>Shounaigfue</i>	DATE CONSIDERED <i>11/17/03</i>
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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# Electronic Information Disclosure Statement



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## SEMICONDUCTOR STRUCTURES INCLUDING A GALLIUM NITRIDE MATERIAL COMPONENT AND A SILICON GERMANIUM COMPONENT

Application:   
10/047455

Confirmation: 1054

Applicant(s): Edwin Piner

Docket Number: N00400.70013







Group Art Unit: 2811

Examiner: Hu, Shouxiang

search string: (6403451 or 6380108 or 6489221 or 20020074552 or 20020117681 or 20020117695 ).pn.

### US Patent Documents

**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	P01	6403451	2002-06-11		Linthicum et al.		
	P02	6380108	2002-04-30		Linthicum et al.		
	P03	6489221	2002-12-03		Gehrke et al.		



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## Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
<i>SR</i>	U01	20020074552	2002-06-20		Weeks Jr. et al.		
<i>SR</i>	U02	20020117681	2002-08-29		Weeks et al.		
<i>SR</i>	U03	20020117695	2002-08-29		Borges et al.		

## Remarks

(Remarks are not for responding to an office action.)

In compliance with 37 C.F.R. Sec. 1.97, this Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist; and that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. Sec. 1.56(b) and in fact, prior art as defined by 35 U.S.C. Sec. 102. Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

## Signature

Examiner Name	Date
	11/17/03